Title: Genes Encoding Sulfate Assimilation Proteins Inventor: Saverio Carl Falco et al. Application No.: To be assigned Docket No.: BB1167US CNT

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09	RPFHFINQTEPLVTHTQQPPSPAPGPASQ-GQRQGNTLLSPTPTLAVILXNPQRAPPVLP	ARATAKALRQPCYAGIFRNIEC-GPSPAAESLGFPKLRGINV	TMIGSVKRPVVSCVLPEFDFTESTGLGKKSSSVKLPVNFGAFG	51 SAAAAVAGISSSSAGAAVAGISSSSA	TGLHCGRRGLVLVLRAKSKPIRAKENASVSASLID-DWFKPITAKEDS SEAVPVVAVAAGKQPVNG	SGGGEVKLGFLAPIKATEGSKTSSFQVNGKVDNFRHLQPSDCNSNS SNSMSNSRSVVVVRACVSMDGSQTLSHNKNGSIPEVKSI	121LVTSTVGKSTNILWHECAIGQKERQGLLNQKGCVVWITGLSGSGK GAAPGEAPHSPVKEKPVMSNIGKSTNILWHNCLIGQSDRQKLLGQKGCVVWITGLSGSGKSIVPKASNIFWHDCAVGQADRQKLLKQKGCVVWITGLSGSGK NAE-DRTSSFSGKNLTQMSNVGNSTNIMWHDCPIQKQDRQQLLQQQGCVIWLTGLSGSGKSAMAGIDKLVTSTVGKSTNVLWHDCPIGQFERQELLNQKGCVVWITGLSGSGK	DSSLNNCNGFPGKKILQTTTVGNSTNILWHKCAVEKSERQEPLQQRGCVIWITGLSGSGK
NO.		NO:8 NO:1	ID NO:12 ID NO:13 ID NO:14		ID NO:8		ID NO:2 ID NO:4 ID NO:6 ID NO:8	2 2 2
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STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGL STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFKAEDRAENIRRVGEVAKLFADAGL STLACTLDRELHTRGKLSYVLDGDNLRHGLNRDLGFKAEDRAENIRRVGEVAKLFXDASL STLACTLDRELHTRGKLSYILDGDNIRHGLNQDLSFRAEDRSENIRRIGEVAKLFADAGV STLACALSQSLHSRGHLTYILDGDNIRHGLNRDLCFEAKDRAENIRRVGEVAKLFADAGL 2	241 VCIASLISPYRSDRSACRDLLPKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG ICIASLISPYRRDRDACRALLPHSNFIEVFIDLPLKICEARDPKGLYKLARTGKIKGFTG VCIASFKSPYKRER	301 IDDPYEPPSDCEIVIQCKVGDCPSPESMAGHVVSYLETNGFLQD IDDPYEPPINGEIVIKMKDEECPSPKAMAKQVLCYLEENGYLQAES IDDPYEPPCSCEIVLQQKGSDCKSPSDMAEEVISYLEENGYLRA IDDPYEAPSDCEIVIQCKAGDCATPKSMADQVVSYLEANEFLQE VDDPYESPVNSEIVIKMEGGECPSPKAMAQQVLSYLEKNGYLQA IDDPYEPPLKSEIVLHQKLGMCDSPCDLADIVISYLEENGYLKA IDDPYEPPLNCEISLGREGGTSPIEMAEKVVGYLDNKGYLQA
SEQ ID NO:2 SEQ ID NO:4 SEQ ID NO:6 SEQ ID NO:10 SEQ ID NO:12 SEQ ID NO:13 SEQ ID NO:13	SEQ ID NO:2 SEQ ID NO:4 SEQ ID NO:6 SEQ ID NO:10 SEQ ID NO:12 SEQ ID NO:13 SEQ ID NO:13	SEQ ID NO:2 SEQ ID NO:4 SEQ ID NO:6 SEQ ID NO:8 SEQ ID NO:12 SEQ ID NO:13 SEQ ID NO:13